

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )

Richard Uhlig, et al. )

Application No.: 09/752,587 )

Filed: December 27, 2000 )

For: METHOD FOR RESOLVING ADDRESS SPACE )

CONFLICTS BETWEEN A VIRTUAL MACHINE )

MONITOR AND A GUEST OPERATING SYSTEM )

Examiner: K. Takeguchi

Art Unit: 2187

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

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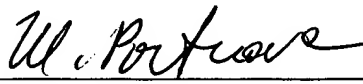
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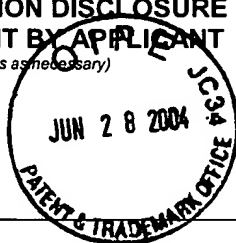
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STATEMENT BY APPLICANT**

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Complete if Known

Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	Takeguchi, Kathy

Sheet 1 of 3

Attorney Docket No: 042390.P9768

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-20010027511	10/04/2001	Wakabayashi, Masaki , et al.			03/14/2001
	US-20020147916	10/10/2002	Strongin, Geoffrey S., et al.			04/04/2001
	US-20020166061	11/07/2002	Falik, Ohad , et al.			05/07/2001
	US-20020169717	11/14/2002	Challener, David C.			05/09/2001
	US-20030074548	04/17/2003	Cromer, Daryl C., et al.			10/16/2001
	US-20030126453	07/03/2003	Glew, Andrew F., et al.			12/31/2001
	US-20030159056	08/21/2003	Cromer, Daryl C., et al.			02/15/2002
	US-20030188179	10/02/2003	Challener, David C., et al.			03/28/2002
	US-3,996,449	12/07/1976	Attanasio, Clement R., et al.			08/25/1975
	US-4,207,609	06/10/1980	Luiz, Fernando A., et al.			05/08/1978
	US-4,419,724	12/06/1983	Branigin, Michael H., et al.			04/14/1980
	US-4,430,709	02/07/1984	Schleupen, Richard , et al.			07/07/1981
	US-4,802,084	01/31/1989	Ikegaya, Hiroshi , et al.			02/10/1986
	US-4,975,836	12/04/1990	Hirosawa, Toshio , et al.			12/16/1985
	US-5,187,802	02/16/1993	Inoue, Taro , et al.			02/18/1989
	US-5,230,069	02/16/1993	Brelsford, David P., et al.			10/02/1990
	US-5,287,363	02/15/1994				01/01/1991
	US-5,295,251	03/15/1994	Wakui, Fujio , et al.			09/21/1990
	US-5,361,375	11/01/1994	Ogi, Yoshifumi			05/24/1993
	US-5,469,557	11/21/1995	Salt, Tom , et al.			03/05/1993
	US-5,506,975	04/09/1996	Onodera, Osama			12/14/1993
	US-5,555,385	09/10/1996	Osisek, Damian L.			10/27/1993
	US-5,555,414	09/10/1996	Hough, Roger E., et al.			12/14/1994
	US-5,560,013	09/24/1996	Scalzi, Casper A., et al.			12/06/1994

**EXAMINER****DATE CONSIDERED**

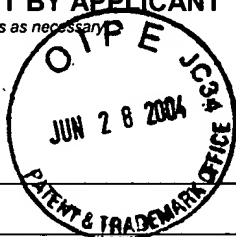
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STATEMENT BY APPLICANT**

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Application Number	09/752,587
Filing Date	December 27, 2000
First Named Inventor	Uhlig, Richard
Group Art Unit	2187
Examiner Name	Takeguchi, Kathy

Sheet 2 of 3

Attorney Docket No: 042390.P9768

	US-5,574,936	11/12/1996	Ryba, Edward G., et al.			01/25/1995
	US-5,604,805	02/18/1997	Brands, Stefanus A.			02/09/1996
	US-5,633,929	05/27/1997	Kaliski, Jr., Burton S.			09/15/1995
	US-5,668,971	11/16/1997	Neufeld, E. D.			12/01/1992
	US-5,684,948	11/04/1997	Johnson, James S., et al.			11/01/1995
	US-5,706,469	01/06/1998	Kobayashi, Souichi			09/11/1995
	US-5,740,178	04/14/1998	Jacks, Steven A., et al.			08/29/1996
	US-5,752,046	05/12/1998	Oprescu, Florin , et al.			12/18/1996
	US-5,809,546	09/15/1998	Greenstein, Paul G., et al.			05/23/1996
	US-5,935,247	08/10/1999	Pai, Hsin-Ying , et al.			09/18/1997
	US-5,956,408	09/21/1999	Arnold, Todd W.			02/12/1998
	US-5,978,475	11/02/1999	Schneier, Bruce , et al.			07/18/1997
	US-6,044,478	03/28/2000	Green, Daniel W.			05/30/1997
	US-6,088,262	07/11/2000	Nasu, Hiroaki			02/24/1998
	US-6,093,213	07/25/2000	Favor, John G., et al.			05/16/1996
	US-6,131,166	10/10/2000	Wong-Isley, Becky			02/24/1999
	US-6,175,924	01/16/2001	Arnold, Todd W.			06/20/1997
	US-6,188,257	02/13/2001	Buer, Mark L.			02/01/1999
	US-6,199,152	03/06/2001	Kelly, Edmund J., et al.			08/22/1996
	US-6,275,933	08/14/2001	Fine, Michael , et al.			04/30/1999
	US-6,397,379	05/28/2002	Yates, Jr., John S., et al.			10/28/1999
	US-6,529,909	03/04/2003	Bowman-Amuah, Michel K.			08/31/1999
	US-6,560,627	05/06/2003	McDonald, Michael F., et al.			01/28/1999
	US-6,651,171	11/18/2003	England, Paul , et al.			04/06/1999
	US-20040117539	06/17/2004	Bennett, Steve E.	711	006	12/17/2002

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	EP-EP0961193	12/01/1999	Laczko, Sr., Frank L.			
	EP-EP0965902	12/22/1999	Force, Gordon , et al.			

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Substitute Disclosure Statement Form (PTO-1449)

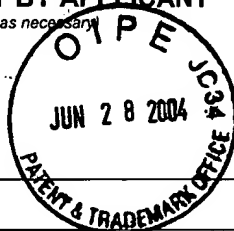
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Sheet 3 of 3

Attorney Docket No: 042390.P9768

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	EP-EP1085396	03/21/2001	Proudlar, Graeme J., et al.			
	EP-EP1271277	01/02/2003	Behar, Yaachov			
	WO-WO0021238	04/13/2000	Drews, Paul C.			
	WO-WO0163994	08/30/2001	Van Sant, Glen , et al.			
	WO-WO0201794	01/03/2002	Ellison, Carl			
	WO-WO02060121	08/01/2002	Grawrock, David W.			
	WO-WO9524696	09/14/1995	Mooney, David M., et al.			
	WO-WO9812620	03/26/1998	Nishiuchi, Taiki , et al.			
	WO-WO99/65579	12/23/1999	Bond, Eugene T.			
	WO-WO9918511	04/15/1999	Edrich, David R.			

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		COULOURIS, GEORGE , et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994),422-424	
		CRAWFORD, JOHN , "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86), (October 6, 1986),155-160	
		FABRY, R.S. , "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing," Communications of the ACM, Vol. 17, No. 7, (July 1974),403-412	
		FRIEDER, GIDEON , "The Architecture And Operational Characteristics of the VMX Host Machine", The Architecture And Operational Characteristics of the VMX Host Machine, IEEE, (1982),9-16	
		IBM CORPORATION, "IBM ThinkPad T30 Notebooks", IBM Product Specification, located at <a href="http://www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf">www-1.ibm.com/services/files/cisco_t30_spec_sheet_070202.pdf</a> , last visited June 23, 2004,(July 2, 2002),1-6	
		INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", Intel Product Specification, Order Number 245359-001, (01/2000),1-112	
		INTEL CORPORATION, "Intel 82802AB/82802AC Firmware Hub (FWH)", Intel Product Datasheet, Document Number 290658-004,(November 2000),1-6, 17-28	
		INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000),i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26	
		NANBA, S. , et al., "VM/4: ACOS-4 Virtual Machine Architecture", VM/4: ACOS-4 Virtual Machine Architecture, IEEE, (1985),171-178	

**EXAMINER****DATE CONSIDERED**

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<b>ELECTRONIC INFORMATION DISCLOSURE STATEMENT</b>
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Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>METHOD FOR RESOLVING ADDRESS SPACE CONFLICTS BETWEEN A VIRTUAL MACHINE MONITOR AND A GUEST OPERATING SYSTEM</b>
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Application Number:	09/752587	*09/752587*
Confirmation Number:	1639	
First Named Applicant:	Richard Uhlig	
Attorney Docket Number:	42P09768	
Art Unit:	2187	
Examiner:	Kathy Takeguchi	
Search string:	( 3996449 or 4207609 or 4419724 or 4430709 or 4802084 or 4975836 or 5187802 or 5230069 or 5287363 or 5295251 or 5361375 or 5469557 or 5506975 or 5555385 or 5555414 or 5560013 or 5574936 or 5604805 or 5633929 or 5668971 or 5684948 or 5706469 or 5740178 or 5752046 or 5809546 or 5935247 or 5956408 or 5978475 or 6044478 or 6088262 or 6093213 or 6131166 or 6175924 or 6188257 or 6199152 or 6275933 or 6397379 or 6529909 or 6560627 or 6651171 or 20010027511 or 20020147916 or 20020166061 or 20020169717 or 20030074548 or 20030126453 or 20030159056 or 20030188179 or 20040117539 ).pn.	

**US Patent Documents****Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3996449	1976-12-07	Attanasio et al.			
	2	4207609	1980-06-10	Luiz et al.			
	3	4419724	1983-12-06	Branigin et al.			
	4	4430709	1984-02-07	Schleupen et al.			
	5	4802084	1989-01-31	Ikegaya et al.			
	6	4975836	1990-12-04	Hirosawa et al.			
	7	5187802	1993-02-16	Inoue et al.			
	8	5230069	1993-02-16	Brelsford			
	9	5287363	1994-02-15	Wolf et al.			

	10	5295251	1994-03-15	Wakui et al.
	11	5361375	1994-11-01	Ogi
	12	5469557	1995-11-21	Salt et al.
	13	5506975	1996-04-09	Onodera
	14	5555385	1996-09-10	Osisek
	15	5555414	1996-09-10	Hough et al.
	16	5560013	1996-09-24	Scalzi et al.
	17	5574936	1996-11-12	Ryba et al.
	18	5604805	1997-02-18	Brands
	19	5633929	1997-05-27	Kaliski, Jr.
	20	5668971	1997-11-16	Neufeld
	21	5684948	1997-11-04	Johnson et al.
	22	5706469	1998-01-06	Kobayashi
	23	5740178	1998-04-14	Jacks et al.
	24	5752046	1998-05-12	Opreacu et al.
	25	5809546	1998-09-15	Greenstein et al.
	26	5935247	1999-08-10	Pai et al.
	27	5956408	1999-09-21	Arnold
	28	5978475	1999-11-02	Schneider
	29	6044478	2000-03-28	Green
	30	6088262	2000-07-11	Nasu
	31	6093213	2000-07-25	Favor et al.
	32	6131166	2000-10-10	Wong-Isley
	33	6175924	2001-01-16	Arnold
	34	6188257	2001-02-13	Buer
	35	6199152	2001-03-06	Kelly et al.
	36	6275933	2001-08-14	Fine et al.
	37	6397379	2002-05-28	Yates et al.
	38	6529909	2003-03-04	Bowman-Amuah
	39	6560627	2003-05-06	McDonald et al.
	40	6651171	2003-11-18	England et al.

### US Published Applications

**Note:** Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass

	1	20010027511	2001-10-04	Wakabayashi et al.
	2	20020147916	2002-10-10	Strongin et al.
	3	20020166061	2002-11-07	Falik et al.
	4	20020169717	2002-11-14	Challener
	5	20030074548	2003-04-17	Cromer et al.
	6	20030126453	2003-07-03	Glew et al.
	7	20030159056	2003-08-21	Cromer et al.
	8	20030188179	2003-10-02	Challener et al.
	9	20040117539	2004-06-17	Bennett

**Signature**

<b>Examiner Name</b>	<b>Date</b>



**UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

Stylesheet Version v1.1.1

**Title of  
Invention****METHOD FOR RESOLVING ADDRESS SPACE CONFLICTS  
BETWEEN A VIRTUAL MACHINE MONITOR AND A GUEST  
OPERATING SYSTEM**

Submission Type: Information Disclosure Statement

Application Number: 09/752587

**\*09/752587\***

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First Named Applicant: Richard Uhlig

Attorney Docket Number: 42P09768

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